

IMPERIAL COUNTY DEPARTMENT OF AGRICULTURE
EL CENTRO, CALIFORNIA

B. A. HARRIGAN
AGRICULTURAL COMMISSIONER

ANNUAL REPORT
FOR THE
YEAR ENDING DECEMBER 31, 1952

BOARD OF SUPERVISORS

E. E. CAVANAH - CHAIRMAN

J.R. SNYDER

N.L. FIFIELD

H.T. OSBORNE

T.J. BOLEY

AGRICULTURAL CROP REPORT - 1952

TO: The Honorable Board of Supervisors
and
The State Director of Agriculture

It is required by Sec. 65.5 of the Agricultural Code that the Agricultural Commissioner compile a report covering the acreage, production, and value of the agricultural products of the County. Herewith is submitted such a report for the County of Imperial.

I wish to emphasize that these values are Gross Values, F.O.B. Shipping Point and include the cost of production, harvesting, and preparation for market. The net income to farmers was not increased in proportion to the gross sales due to lower farm prices and increased costs of labor and all materials used in harvesting and handling the crops.

The members of our department, including office personnel, and District Inspectors have made an earnest endeavor to make this report as accurate as possible.

Our sincere appreciation is extended to farmers, packers, and shippers who have assisted in making this report possible.

Respectfully submitted,

B. A. Harrigan
B. A. HARRIGAN
Agricultural Commissioner
Imperial County

PAH:rc

1 9 5 2

FIELD CROPS

Alfalfa	24,147	Carloads	\$ 14,488,200.00
Alfalfa Meal	1,727	"	3,626,700.00
Barley	657	"	1,836,315.00
Wheat	106	"	373,650.00
Milo Maize	47	"	154,630.00
Flax Straw	1,454	"	270,537.00
Flax Fibre	336	"	504,480.00
Flax Shive	265	"	15,905.00
Flax Seed	785	"	5,316,805.00
Screenings - Seed	19	"	25,080.00
Sugar Beets	16,104	"	9,243,696.00
Sugar Beet By-Products	1,027	"	1,282,224.00
Cotton	120,565	Bales	20,496,050.00
Cotton Seed	42,961	Tons	1,260,215.00
Cotton Seed Oil	900	"	216,000.00
Cotton Seed Cake	2,400	"	182,400.00
Lint	570	"	62,700.00
Cotton Seed Hulls	1,830	"	40,260.00
Grain Hay	304	Carloads	146,224.00
Straw	309	"	76,323.00
Castor Beans	69	"	790,740.00

Total

\$ 60,409,134.00

FRUIT AND NUTS

Grapefruit	210	Carloads	234,780.00
Oranges	50	"	59,800.00
Tangerines	26	"	193,440.00
Grapes	89	"	240,300.00
Lemons	19	"	59,251.00
Honey	2,400,000	Pounds	264,000.00
Dates	321,270	"	70,679.00
Pecans	25,000	"	11,250.00

Total.....

\$ 1,133,500.00

VEGETABLES

Lettuce	15,653 Carloads	\$ 17,531,360.00
Carrots	7,108 "	7,051,136.00
Carrots - Topped	1,288 "	1,700,160.00
Cabbage	627 "	702,240.00
Peas	37 "	84,175.00
Onions	229 "	446,500.00
Broccoli	232 "	324,800.00
Romaine	183 "	140,544.00
Cabbage - Bulk	5,569 Tons	111,380.00
Greens	41 Carloads	45,920.00
Mixed Vegetables	125 "	171,875.00
Carrots - Cull	1,553 Tons	3,106.00

Total.... \$ 28,313,246.00

TRUCK CROPS

Cantaloupes	3,830 Carloads	6,442,060.00
Mixed Melons	62 "	79,050.00
Watermelons	1,035 "	807,300.00
Tomatoes	1,602 "	2,486,304.00
Tomatoes - Cannery	14,711 Tons	382,486.00
Squash	289 Carloads	794,750.00
Cucumbers	42 "	109,200.00
Asparagus	18 "	70,200.00
Green Corn	150 "	279,000.00

Total.... \$ 11,450,350.00

ANIMAL INDUSTRIES

Cattle	7,310 Carloads	15,351,000.00
Sheep	1,511 "	5,666,250.00
Wool	22 "	352,000.00
Hogs	110 "	501,312.00
Dairy Cattle	12,752 Head	2,231,600.00
Market Milk	1,786,610 Gallons	1,447,154.00
Dairy Products	566,539 Pounds	323,973.00
Dairy Products	335,817 Gallons	443,562.00
Pasturage	295,500 Head	2,229,075.00
Poultry	19,393 Dozen	189,696.00
Turkeys	975 Head	5,362.00
Bees	21,000 Colonies	252,000.00
Bee Wax	30,000 Pounds	12,300.00
Eggs	12,987 Cases	208,441.00

Total.... 29,213,725.00

MISCELLANEOUS ITEMS

Fertilizer	845 Carloads	\$ 105,625.00
Mineral Products	17,745 "	14,999,915.00
Dry Ice	7,743 Tons	247,776.00
Ice	297,000 "	1,291,950.00

Total....	\$ 16,645,266.00
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SEED AND CUT FLOWERS

Cut Flowers		\$ 12,000.00
Flower Seed	2,000 Pounds	4,500.00
Lettuce Seed	20,000 "	25,000.00
Onion Seed	60,000 "	60,000.00
Alfalfa Seed	2,500,000 "	600,000.00
Clover Seed	100,000 "	10,000.00
Sesbania Seed	125,000 "	10,000.00
Vegetable Seed	30,000 "	15,000.00
Barley Seed	6,200,000 "	248,000.00
Wheat Seed	175,620 "	87,810.00
Flax Seed	814,281 "	122,142.00

Total....	\$ 1,194,452.00
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Soil Improvement Payments	Total....	186,830.00
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	<u>1952</u>	<u>1951</u>	<u>Increase</u>	<u>Percent (Approx)</u>
Alfalfa	\$14,488,200	\$13,906,547	\$ 581,653	4%
Sugar Beets	9,243,696	8,416,940	826,750	10%
Cotton	20,496,050	6,339,600	14,156,450	225%
Cotton Seed	1,260,215	684,648	575,567	84%
Castor Beans	790,740	374,400	416,340	111%
Lettuce	17,531,360	10,986,400	6,544,960	60%
Carrots	7,051,136	6,750,190	300,946	4%
Broccoli	324,800	212,400	112,400	52%
Sheep	5,666,250	4,767,922	898,328	18%
Pasturage	2,229,075	1,020,699	1,208,376	119%
Cantaloupes	6,442,060	5,135,320	1,306,740	26%
Tomatoes	2,486,304	2,149,031	337,273	15%
Squash	794,750	394,000	400,750	101%
Green Corn	279,000	139,200	139,800	100%
Mineral Products	14,999,915	7,103,730	7,896,185	110%
Lettuce Seed	25,000	10,000	15,000	150%

R_E_C_A_P_I_T_U_L_A_T_I_O_N

Field Crops	\$60,409,134.00
Fruit and Nuts	1,133,500.00
Vegetables	28,313,246.00
Truck Crops	11,450,350.00
Animal Industries	29,213,725.00
Misc. Items	16,645,266.00
Seed and Cut Flowers	1,194,452.00
Sugar	4,545,290.00
Soil Improvement Payments	186,830.00
TOTAL....	<u>153,091,793.00</u>

A C R E A G E 1952

Field Crops

431,216 Acres

Permanent Crops

3,571 "

Vegetable Crops

61,509 "

Area In Irrigated District

619,193 Acres

1942 Inclusion

276,542 "

Gross Area of District

895,735 "

Number of Farms

4,838 Farms

Average Area per Farm

106.41 Acres

A S S E S S E D V A L U A T I O N

-1910-

\$12,148,180.00

-1952-

\$ 60,566,243.00

C R O P A N D L I V E S T O C K V A L U E S

-1942-

\$44,348,971.00

-1952-

\$ 153,091,793.00

Total valuations as listed in the 1952 Agricultural Report increased sharply over 1951 figures. Markets on most agricultural products were strong throughout the entire year.

Sheep and cattle pasturage was abundant and the total number of cattle pastured and fed in feed yards increased over previous years.

Production of alfalfa meal remained about steady with no increase as the demand for hay continued through most of the year.

Alfalfa seed production showed no increase over 1951 production - approximately 2,500,000 lbs. of seed was harvested during the 1952 season.

Decreased acreage planted to flax was apparently due to a great increase in the acreage of cotton. Flax yields were above the average of last year.

Truck crops were favored with better market prices during the year with substantial increases in returns. Markets and demand were strong during the entire season.

Cotton acreage increased to 85,000 acres for the year. Yields were generally good - reporting an over-all average for the area of 1.4 bales per acre. Adequate ginning facilities were available and no difficulty was encountered in harvesting the current crop.

- PEST CONTROL -

Insect pests affecting truck and vegetable crops proved to be a major problem. Cotton, sugar beets and fall vegetable crops required almost continuous application of insecticides. Insecticide permits issued by the Agricultural Department indicated that 334,359 acres were treated by the application of 9,719,725 pounds of insecticide dust. 1,500,000 gallons of spray including defoliant, pre-harvest and weed control were applied during the season.

Grasshoppers continued to be serious pests in some areas of the Valley. Very satisfactory control was had through the use of flake bran and chlordane applied at the rate of 10 lbs. per acre by airplane. Federal government supplies were exhausted and all necessary materials were then purchased by the County. Actual material costs excepting handling and labor

were paid by the users. 128 tons of bait were mixed and distributed. This program will be continued through 1953. This bait proved satisfactory when applied for crickets damaging young lettuce and corn plants.

- HIGHWAY TRUCK CHECKING STATIONS -

Four inspection and checking stations, one on Highway 99, one on Highway 80, one on Highway 111, west of Niland and one at Ocotillo are manned and operated by the Agricultural Department. These stations are operated twenty-four hours per day throughout the year and have proven to be of great value in checking produce moving to markets. Records of trucks have also been of value in the checking of stolen property by law enforcing agencies.

- PREDATORY ANIMAL CONTROL -

A cooperative arrangement for predatory animal control between the State and Federal Department and Imperial County has been very beneficial to livestock and poultry raisers in the County. Trappers work in this area late in the Fall and early Spring of each year when coyotes are a serious menace to sheep during the lambing period.

- WEIGHTS AND MEASURES -

The County Agricultural Commissioner is also Sealer of Weights and Measures in Imperial County. This work is carried on by personnel from the Agricultural Department. Great tonnage of produce moving by truck from this area makes necessary regular testing of all heavy duty scales. This has been greatly augmented by the cooperation of the State Bureau's heavy duty trucks and personnel. Light scales, pumps and meters are checked by County Deputies throughout the year.

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Respectfully submitted,

B A Harrigan

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Agricultural Commissioner
Imperial County

BAH:cs

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FIELD CROPS

Alfalfa	25,221	Carloads	\$ 8,575,140.00
Alfalfa Meal	1,526	"	2,289,000.00
Barley	1,861	"	4,561,311.00
Wheat	37	"	114,552.00
Milo Maize	167	"	438,041.00
Flax Straw	826	"	148,785.00
Flax Fibre	330	"	495,000.00
Flax Seed	349	"	2,130,944.00
Flax Shive	7	"	15,000.00
Screenings-Seed	40	"	52,800.00
Sugar Beets	18,579	"	9,623,922.00
Sugar Beet By-Products	17,000	Tons	850,000.00
Sugar	32,500	"	5,460,000.00
Cotton	164,289	Bales	27,107,685.00
Cotton Seed	6,771	Tons	338,550.00
Cotton By-Products	2,437	"	2,107,224.00
Grain Hay	137	Carloads	32,058.00
Straw	63	"	11,466.00
Total.....			\$ 64,351,478.00

FRUIT AND NUTS

Grapefruit	264	Carloads	271,920.00
Oranges	71	"	59,640.00
Tangerines	27	"	97,200.00
Lemons	17	"	18,292.00
Grapes	123	"	415,125.00
Honey	1,890,000	Pounds	207,900.00
Dates	318,500	"	63,700.00
Pecans	23,000	"	11,500.00
Total.....			\$ 1,145,277.00

VEGETABLES

Lettuce	18,293	Carloads	\$ 14,634,400.00
Carrots	6,748	"	7,004,912.00
Cabbage	313	"	150,240.00
Peas	55	"	134,750.00
Onions	415	"	224,100.00
Eroccoli	165	"	264,000.00
Romaine	133	"	106,400.00
Mixed Vegetables	48	"	61,200.00
Cabbage (Bulk)	5,748	Tons	114,960.00
Carrots (Cull)	1,058	"	5,290.00

Total \$ 22,740,252.00

TRUCK CROPS

Cantaloupes	4,892	Carloads	\$ 9,930,760.00
Mixed Melons	118	"	177,000.00
Watermelons	1,908	"	1,364,220.00
Tomatoes	2,344	"	3,164,400.00
Squash	401	"	902,250.00
Cucumbers	25	"	31,250.00
Asparagus	37	"	149,184.00
Green Corn	51	"	74,970.00

Total \$ 15,793,989.00

ANIMAL INDUSTRIES

Cattle	8,113	Carloads	\$ 12,494,020.00
Sheep	1,939	"	6,689,550.00
Wool	33	"	660,000.00
Hogs	93	"	418,500.00
Dairy Cattle	6,606	Head	312,550.00
Market Milk	2,603,724	Gallons	2,109,065.00
Dairy Products	426,891	Pounds	214,150.00
Dairy Products	360,038	Gallons	405,356.00
Pasturage	365,615	Head	2,367,850.00
Poultry	17,846	Dozen	103,821.00
Turkeys	1,600	Head	14,000.00
Bees	21,000	Colonies	252,000.00
Bees Wax	38,500	Pounds	15,785.00
Eggs	7,833	Cases	134,565.00
Meat & Packing House Prod.	1,822	Tons	1,457,600.00

Total..... \$ 27,648,812.00

MISCELLANEOUS ITEMS

Fertilizer	929 Carloads	\$ 116,125.00
Mineral Products	13,417 "	12,397,214.00
Dry Ice	6,973 Tons	223,136.00
Ice	237,600 "	<u>1,033,524.00</u>
Total.....		\$ 13,769,999.00

SEED AND CUT FLOWERS

Cut Flowers		\$ 9,000.00
Flower Seed	9,000 Pounds	18,000.00
Lettuce Seed	35,000 "	35,000.00
Onion Seed	142,000 "	142,000.00
Alfalfa Seed	3,500,000 "	700,000.00
Clover Seed	88,000 "	5,300.00
Sesbania Seed	200,000 "	14,000.00
Vegetable Seed	25,000 "	25,000.00
Barley Seed	2,000,000 "	70,000.00
Wheat Seed	25,000 "	1,000.00
Flax Seed	1,470,000 "	<u>132,300.00</u>
Total.....		\$ 1,151,600.00
Soil Improvement Payments	Total.....	157,037.00

	<u>1953</u>	<u>1952</u>
Alfalfa	\$ 8,575,140	\$14,488,200
Sugar Beets	9,623,922	9,243,696
Cotton	27,107,685	20,496,050
Lettuce	14,634,400	17,531,360
Carrots	7,004,912	7,051,136
Broccoli	264,000	324,800
Sheep	6,689,550	5,666,250
Pasturage	2,367,850	2,229,075
Cantaloupes	9,930,760	6,442,060
Tomatoes	3,164,400	2,486,304
Squash	902,250	794,750
Green Corn	74,970	279,000
Mineral Products	12,397,214	14,999,915
Lettuce Seed	35,000	25,000

-R-E-C-A-P-I-T-U-L-A-T-I-O-N-

Field Crops	\$64,351,478.00
Fruit and Nuts	1,145,277.00
Vegetables	22,740,252.00
Truck Crops	15,793,989.00
Animal Industries	27,648,812.00
Misc. Items	13,769,999.00
Seed and Cut Flowers	1,151,600.00
Soil Improvement Payments	157,037.00

TOTAL \$ 146,758,444.00

A C R E A G E 1953

Field Crops	440,051 Acres
Permanent Crops	3,402 "
Vegetable Crops	66,616 "

Area In Irrigated District	618,849 Acres
1942 Inclusion	280,447 "
Gross Area of District	899,372 "

Number of Farms	4,998 Farms
Average Area per Farm	101 Acres

A S S E S S E D V A L U A T I O N

-1910-	-1953-
\$12,148,180.00	\$70,355,680.00

C R O P A N D L I V E S T O C K V A L U E S

-1943-	-1953-
\$58,544,562.00	\$146,758,444.00

A small decrease is noted in the total valuation as listed in the 1953 Agricultural Report. Markets on many agriculture products were lower during the harvesting season and this condition was reflected directly in the total valuations.

Sheep and cattle pasturage was available and the number of head wintered in this area remained at a normal figure. The number of head of cattle fed out in feed yards indicated a slight increase over last year.

Production of alfalfa hay and meal were above normal. Weak markets prevailed generally throughout the year. Shipments of alfalfa hay to drought areas late in the year steadied the market as well as moving much of the hay held in storage. Very little old hay remained unsold when first cuttings of alfalfa were ready.

Alfalfa seed production increased with a production of 3,500,000 lbs. for the crop. Yields were generally satisfactory although seed prices at harvest time were rather low.

Flax acreage decreased for the year. Yields were good with satisfactory markets. Acreage reduction could be traced to the acreage of cotton and sugar beet plantings.

Cotton acreage increased to a total of 112,898 acres for the year. Yields were good with an overall average of 1.54 bales per acre.

- PEST CONTROL -

Insect pests affecting truck and vegetable crops proved to be a major problem. Cotton, sugar beets and fall vegetable crops required almost continuous application of insecticides. Insecticide permits issued by the Agricultural Department indicated that 285,111 acres were treated by the application of 7,217,775 pounds of insecticide dust. 1,221,020 gallons of spray including defoliant, pre-harvest and weed control were applied during the season.

Grasshoppers continued to be serious pests in some areas of the Valley. Very satisfactory control was had through the use of flake bran and chlordane applied at the rate of 10 lbs. per acre by airplane.

Federal government supplies were exhausted and all necessary materials were then purchased by the County. Actual material costs excepting handling and labor were paid by the users. 91 tons of bait were mixed and distributed. This program will be continued through 1954. This bait proved satisfactory when applied for crickets damaging young lettuce and corn plants.

- HIGHWAY TRUCK CHECKING STATIONS -

Four inspection and checking stations, one on Hwy 99, one on Hwy 80, one on Hwy 111, west of Niland and one at Ocotillo are manned and operated by the Agricultural Department. These stations are operated twenty-four hours per day throughout the year and have proven to be of great value in checking produce moving to markets. Records of trucks have also been of value in the checking of stolen property by law enforcing agencies.

- PREDATORY ANIMAL CONTROL -

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- WEIGHTS AND MEASURES -

The County Agricultural Commissioner is also Sealer of Weight and Measures in Imperial County. This work is carried on by personnel from the Agricultural Department. Great tonnage of produce moving by truck from this area makes necessary regular testing of all heavy duty scales. This has been greatly augmented by the cooperation of the State Bureau's heavy duty trucks and personnel. Light scales, pumps and meters are checked by County Deputies throughout the year.

IMPERIAL IRRIGATION DISTRICT
CROP SURVEY: MARCH 15, 1954

<u>FIELD CROPS</u>	<u>ACRES</u>	<u>GARDEN CROPS (Cont'd)</u>	<u>ACRES</u>
Alfalfa	138,474	Onions	819
Barley	95,598	Cauliflower	11
Oats	661	Broccoli	174
Wheat	1,497	Cucumbers	26
Bermuda	608	Beets	10
Flax	34,077	Mixed Vegetables	19
Sudan	120	Egg Plant	1
Field Corn	699	Beans	55
Hubam Clover	144	Chili Peppers	1
Sugar Beets	58,543	Persian Melons	135
Permanent Pasture	387	Okra	29
Cotton	3,216	Chicory	35
Horse Beans	28	Turnips	4
Flowers	137	Garlic	35
Cane	4	Chinese Lilies	6
Milo	181	TOTAL	<u>31,580</u>
Castor Beans	3		
TOTAL	<u>334,377</u>		
<u>PERMANENT CROPS</u>		TOTAL AREA CROPPED	368,934
Asparagus	259	PREPARED FOR CROP	53,633
Tangerines	234	BETWEEN CROP	<u>44,947</u>
Dates	178	TOTAL AREA FARMED & FARM-	
Grapes	851	ABLE	467,514
Pecans	112	AREA OCCUPIED BY HOMES,	
Lemons	20	FEEDLOTS, CORRALS, ETC.	11,493
Grapefruit	966	AREA OCCUPIED BY CITIES,	
Oranges	324	AIRPORTS, ETC.	<u>15,000</u>
Strawberries	6	AREA TO WHICH WATER IS	
Mixed Citrus	9	FURNISHED	494,007
Nursery	18	OCCUPIED BY RIVERS, DRAINS,	
TOTAL	<u>2,977</u>	CANALS, ROADS & RAILROADS	59,236
		COVERED BY SALTON SEA	29,500
		UNDEVELOPED RAW LANDS	<u>38,618</u>
<u>GARDEN CROPS</u>		TOTAL ACREAGE IN IRRIGATED	
Lettuce	4,270	AREA OF DISTRICT	621,361
Cantaloupes	10,968	EAST MESA, WEST MESA AND	
Honeydews	10	PILOT KNOE MESA	<u>281,340</u>
Honeyballs	3	TOTAL GROSS ACREAGE OF	
Watermelon	4,828	DISTRICT	902,701
Peas	80		
Carrots	4,037		
Tomatoes	3,577		
Cabbage	478		
Squash	1,410		
Sweet Corn	559		

Note: Of the total area reported as farmed, there were 96,653 acres on which more than one crop had been grown or was being grown.

AGRICULTURAL CROP REPORT

County of Imperial
1954

OFFICE OF THE
AGRICULTURAL COMMISSIONER

CLAUDE M. FINNELL
AGRICULTURAL COMMISSIONER

IMPERIAL COUNTY DEPARTMENT OF AGRICULTURE

EL CENTRO, CALIFORNIA

CLAUDE M. FINNELL

AGRICULTURAL COMMISSIONER

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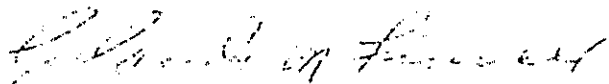
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Respectfully submitted,



CLAUDE M. FINNELL,
Agricultural Commissioner
Imperial County

CMF:cs

COUNTY DEPARTMENT OF AGRICULTURE
Courthouse
El Centro, California

FUNCTIONS

The County Department of Agriculture, under the direction of the State Department of Agriculture, conducts regulatory and service functions required by State Law; also other functions authorized by County ordinances or requested by the County Board of Supervisors. Its primary purpose is to protect and conserve the agricultural interests of the County. The Agricultural Commissioner is the Department-head. The following is a brief explanation of the major functions of the Department:

I. PLANT QUARANTINE INSPECTION (Div. 2, Chap. 1, Agri. Code)

- A. Preventing the entry and dissemination of dangerous plant and animal pests by enforcement of California and Federal plant quarantine laws and regulations; also County Ordinances approved by the Director of Agriculture.
- B. Inspect at destination plants and articles named by law as:
 - 1. All plant material for propagation, various plant products from specified areas, empty fruit containers, railroad cars, household goods, farm machinery from cotton boll weevil areas, agricultural seeds for noxious weed seed content, etc.
 - 2. Reject or treat infested shipments, reject contraband shipments, destroy highly dangerous shipments.
 - 3. Prosecute violators.
- C. Inspect packing houses, nurseries, and other points of distribution to prevent local movement of infested articles, and enforce local quarantine provisions, or clean-up measures.

II. INSPECTION OF FRUIT TREE AND ORNAMENTAL PLANT NURSERIES
(Div. 2, Chap. 1, Agric. Code)

- A. Inspect plant nurseries to prevent the dissemination of dangerous plant pests through the movement of nursery stock. Also supervise the treatment of pests or diseases which attack nursery stock.
- B. Inspect plant nurseries at request of nurserymen who wish to qualify for use of "Certificates of Inspection and Release" on shipments or sales within the County. (Ref. Sec. 123 Agric. Code)
- C. Inspect plant nurseries at request of nurserymen who wish to qualify for use of "Intercounty Nursery Stock Certificates" on shipments to other Counties.. (Ref. Sec. 123.55 Agri. Code)

NOTE: Procedures mentioned in B. and C. are considered the most logical and effective way of maintaining pest cleanliness in plant nurseries and preventing the spread of pests by means of nursery stock.

III. PLANT PEST CONTROL OR ERADICATION (Div. 2, Chap. 1, Agric. Code except when otherwise noted)

A. Field and Orchard Inspection

1. Inspection of growing trees and crops for presence of destructive insect pests and plant diseases and require their control when justifiable. State law requires that "The Commissioner shall advise himself with reference to all pests that may exist in his County", etc.
 2. Serve notice on owners of infested property and abate the nuisance under provisions of the State Agricultural Code.
 3. Recommend removal of abandoned plants and trees and supervise removal under order of the Superior Court.
 4. Enforce regulations pertaining to commercial pest control operators.
 - a. Register applicants licensed by the State who desire to operate within the County.
 - b. To examine applicants to ascertain if they are familiar with pest control problems under local conditions.
 - c. Inspect equipment of registrants.
 - d. Issue regulations governing operation of commercial pest control under local conditions.
 - e. Refuse or cancel registrations if equipment unsuitable or operators incompetent.
 5. Issue permits for use of herbicides injurious to crops.
 6. To issue permits for use of pest control materials which the Director finds and determines to be injurious to persons, animals or other crops, other than the pest or vegetation which it is intended to destroy.
- B. Inspect fields growing crop seeds and certify as to freedom from weed pests.
- C. Inspect seed cleanings from crop seed and if found infested with any seed pests, to cause such infested material to be treated in order to render it incapable of reproduction.

IV. PLANT PEST SURVEY (Div. 2, Chap. 1, Agric. Code)

A. Inspect Properties:

1. For serious plant pests liable to be present.
2. For specific plant pests of major importance.
 - a. Likely to be introduced:
Oriental Fruit Fly, Mediterranean Fruit Fly, Mexican Fruit Fly, Citrus Black Fly, Citrus White Fly, Melon Fly, Mango Fly, Japanese Beetle, European Corn Borer, European Earwig, Virus diseases of stone fruits, Citrus Canker, and others.
 - b. Newly found in the State or being eradicated:
White Snails, Walnut Obscure Scale, Peach Mosaic, Olive Scale, White Pine Blister Rust, Khapra Beetle, Ozonium Root Rot, Citrus Quick Decline, and others.
 - c. More or less distributed but susceptible of eradication or delay in spread by means of quarantine:
Numerous weed and plant pests.
3. As a basis of certification of outgoing shipments to foreign countries, other states, and other counties when specific certification is required as a condition of entry thereto.

V. STANDARDIZATION INSPECTION OF FRUITS, NUTS, VEGETABLE, EGGS, AND HONEY (Div. 5, Chap. 2 and 2-A, and Chap. 8, Art. 1, Agric. Code)

- A. Inspection of fruits, nuts, vegetables, and honey for compliance with State standards.
 1. Inspect at time of packing, transportation, and display for sale; to check for deceptive pack, maturity, hidden defects, and improper labeling.
 2. To issue certificates as to standardization compliance upon request.
- B. Inspection of eggs for compliance with State standards of quality and size and for the prevention of sale of eggs unfit for human consumption.
- C. Prosecute violators.

VI. SEED LAW ENFORCEMENT (Div. 5, Chap. 5, Art. 1, Agric. Code)

A. Inspect Agricultural Seed

1. To determine if properly labeled with name, purity, germination, date of test, etc.
2. To determine if seed conforms to label statement.

3. Issuance of "Stop Sale" orders until violations have been corrected.
 4. Prosecution of flagrant violators.
- B. Cooperate with California Crop Improvement Association sponsored by the University of California, by:
1. Checking for cleanliness of harvesting and cleaning equipment used in the processing of certified seed.
 2. Safeguarding the identity and labeling of such seed.

VII. RODENT AND PLAGUE RODENT CONTROL (Div. 2, Chap. 1, Agric. Code)

- A. Suppression of rodents such as ground squirrels, gophers, rabbits, rats, and mice, which are destructive to agricultural crops and food storages in rural areas.
1. Organize and direct community rodent control programs.
 2. Prepare and sell at cost poison baits for rodent control.
- B. Control or eradicate rodents which harbor serious diseases transmissible to humans. Such diseases are bubonic, sylvatic, and pneumonic plague, typhus, relapsing fever, Rocky Mountain spotted fever and tularemia.
1. Areas designated by State Board of Health.
 2. Control work financed by State Department of Agriculture and County under mutual contract.

VIII. WEED CONTROL (Div. 2, Chap. 1, Agric. Code)

- A. Supervising and enforcing control of serious weed pests to prevent their dissemination and conserve farm crops, pastures, and ranges.

IX. APIARY INSPECTION (Div. 2, Chap. 3, Art. 4, Agric. Code)

- A. Registration of apiaries as to ownership and location.
- B. Inspect apiaries within the County and certify outgoing shipments of bees.
1. Prevent dissemination of American and European Foul-brood.
 2. Prevent the introduction of other bee diseases.
 3. Eradicate serious bee diseases where found.
- C. Regulate movement of apiaries.
- D. Prosecute violators.

X. STATISTICS AND REPORTS (Sec. 65, Agric. Code)

- A. Submit an annual report to the Director of Agriculture and to the County Board of Supervisors setting forth the pest condition in the County and a resume of the other activities of the local County Department.
- B. Issue an annual crop report showing acreage, production, and valuation of all crops in the County.
- C. Compile and disseminate a monthly crop report as to the acreage and condition of crops in the County.
- D. Conduct special surveys and issue special reports when required.

XI. ADMINISTRATION (Div. 1, Chap. 2, Art. 1, Agric. Code)

The County Department of Agriculture is mandatory by State law. The Commissioner is the Department head and is appointed by the Board of Supervisors from a list of eligibles supplied by the State Director of Agriculture and County Personnel Director. Deputy Commissioners and Inspectors must also have been qualified by examination by the Director.

1 9 5 4

FIELD CROPS

Alfalfa	24,225	Carloads	\$ 9,883,800.00
Alfalfa Meal	1,658	"	2,636,220.00
Grain Hay	206	"	50,882.00
Straw	199	"	31,044.00
Barley	1,668	"	3,586,200.00
Wheat	75	"	246,750.00
Milo Maize	84	"	198,660.00
Flax Seed	559	"	2,908,477.00
Flax Straw	1,768	"	281,595.00
Flax Fibre	255	"	446,250.00
Flax Shive	70	"	10,365.00
Sugar Beets	24,738	"	14,842,800.00
Sugar Beet By-Products	103,000	Tons	2,540,000.00
Cotton	124,962	Bales	19,993,920.00
Cotton Seed	43,200	Tons	2,592,000.00
Cotton By-Products	14,444	"	1,315,216.00
Screenings-Seed	131	Carloads	116,721.00
Total.....			\$ 61,680,900.00

FRUIT AND NUTS

Grapefruit	298	Carloads	\$ 346,872.00
Oranges	42	"	62,496.00
Tangerines	21	"	78,960.00
Lemons	4	"	9,240.00
Grapes	32	"	110,880.00
Dates	305,000	Pounds	61,000.00
Pecans	20,000	"	10,000.00
Total.....			\$ 679,448.00

VEGETABLES

Lettuce	16,984	Carloads	\$	16,304,640.00
Carrots	4,822	"		5,198,116.00
Cabbage	353	"		197,680.00
Peas	15	"		24,675.00
Onions	242	"		108,900.00
Mixed Vegetables	298	"		447,000.00
Broccoli	117	"		93,600.00
Romaine	188	"		165,440.00
Cabbage (Bulk)	3,646	Tons		54,690.00
Carrots (Cull)	4,653	"		16,443.00

Total..... \$ 22,511,184.00

TRUCK CROPS

Cantaloupes	4,044	Carloads	\$	6,159,012.00
Mixed Melons	68	"		102,000.00
Watermelons	2,596	"		1,518,660.00
Tomatoes	1,773	"		2,632,905.00
Tomatoes (Cannery)	1,038	Tons		23,874.00
Squash	332	Carloads		647,400.00
Cucumbers	62	"		93,000.00
Asparagus	47	"		189,504.00
Green Corn	105	"		129,150.00

Total..... \$ 11,495,505.00

ANIMAL INDUSTRIES

Cattle	8,208	Carloads	\$	13,649,904.00
Sheep	1,985	"		6,848,250.00
Hogs	55	"		247,500.00
Dairy Cattle	6,425	Head		803,125.00
Hides	340	Tons		47,600.00
Wool	44	Carloads		1,267,200.00
Pasturage	354,685	Head		2,031,950.00
Market Milk	1,982,759	Gallons		1,708,749.00
Dairy Products	567,175	Pounds		276,746.00
Dairy Products	349,719	Gallons		411,873.00
Meat & Packing House Products	1,822	Tons		1,421,160.00

Total..... \$ 28,714,057.00

APICULTURE AND POULTRY

Bees	33,358	Colonies	\$	400,296.00
Honey	2,601,740	Pounds		286,191.00
Bee Wax	52,000	"		21,840.00
Poultry	160,000	Dozen		124,500.00
Turkeys	2,100	Heads		14,700.00
Eggs	17,300	Cases		224,900.00
Total.....				\$ 1,072,427.00

MISCELLANEOUS ITEMS

Fertilizer	1,035	Carloads	\$	129,375.00
Mineral Products	13,556	"		10,460,555.00
Dry Ice	1,282	Tons		41,024.00
Ice	194,974	"		925,126.00
Total.....				\$ 11,556,080.00

SEED AND CUT FLOWERS

Cut Flowers			\$	10,000.00
Flower Seed	11,000	Pounds		22,000.00
Lettuce Seed	40,000	"		40,000.00
Onion Seed	70,000	"		70,000.00
Alfalfa Seed	11,827,237	"		2,838,536.00
Clover Seed	40,000	"		4,000.00
Sesbania Seed	200,000	"		12,000.00
Miscellaneous Seed	30,000	"		30,000.00
Barley Seed	1,200,000	"		42,000.00
Cotton Seed	782	Tons		132,940.00
Wheat Seed	435,325	Pounds		26,118.00
Oat Seed	114,500	"		6,297.00
Soy Beans	472,175	"		80,274.00
Flax Seed	324,000	"		42,120.00
Total.....				\$ 3,356,285.00

Soil Improvement Payments	Total.....	112,979.00
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R E C A P I T U L A T I O N

Field Crops	\$ 61,680,900.00
Fruit and Nuts	679,448.00
Vegetables	22,611,184.00
Truck Crops	11,495,505.00
Animal Industries	28,714,057.00
Apiculture & Poultry	1,072,427.00
Miscellaneous Items	11,556,080.00
Seed and Cut Flowers	3,356,285.00
Soil Improvement Payments	<u>112,972.00</u>
TOTAL	\$141,278,865.00

* * * * *

A moderate decrease is noted in the total valuation as listed in the 1954 Agricultural Report. Markets on many agriculture products were lower during the harvesting season and this condition was reflected directly in the total valuations.

Sheep and cattle pasturage was available and the number of head wintered in this area increased. The number of head of cattle fed out in feed yards indicated a slight increase over last year. 117 feed yards are now operating in this area.

Total shipments of alfalfa hay and meal decreased from last year's total. Weak markets prevailed generally throughout the year. Shipments of alfalfa hay late in the year steadied the market as well as moving much of the hay held in storage. Very little old hay remained unsold when first cuttings of alfalfa were ready. The decrease in shipments was accounted for mostly by the tonnage fed locally in feed yards.

Alfalfa seed production increased with a production of 11,827,237 lbs. for the crop. Yields were generally satisfactory although seed prices at harvest time were rather low.

Flax acreage increased for the year. Yields were good with satisfactory markets. Increase was partially due to cotton plantings.

Cotton plantings were reduced by acreage controls to a total of approximately 65,000 acres for the year. Yields were good with an over all average of 1.89 bales per acre.

- PEST CONTROL -

Insect pests affecting truck and vegetable crops proved to be a major problem. Cotton, sugar beets and fall vegetable crops required almost continuous application of insecticides. Insecticide permits issued by the Agricultural Department indicated that 377,079 acres were treated by the application of 6,062,243 pounds of insecticide dust. 1,853,324 gallons of spray material including defoliant, pre-harvest and weed control were applied during the season.

Grasshoppers and Crickets continued to be serious pests in some areas of the Valley. Very satisfactory control was had through the use of flake bran and chlordane applied at the rate of 10 lbs. per acre by airplane. All necessary materials were purchased by the County and actual material costs excepting handling and labor were paid by the users. 78 tons of bait were mixed and distributed. This program will be continued through 1955 as this bait proved satisfactory when applied for both grasshoppers and crickets damaging young lettuce and corn plants.

- HIGHWAY TRUCK CHECKING STATIONS -

Four inspection and checking stations, one on Hwy 99, one on Hwy 80, one on Hwy 111, west of Niland and one at Ocotillo are manned and operated by the Agricultural Department. These stations are operated twenty-four hours per day throughout the year and have proven to be of great value in checking produce moving to markets. Records of trucks have also been of value in the checking of stolen property by law enforcing agencies.

- PREDATORY ANIMAL CONTROL -

A cooperative arrangement for predatory animal control between the State and Federal Department and Imperial County has been very beneficial to livestock and poultry raisers in the County. Trappers work in this area late in the Fall and early Spring of each year when coyotes are a serious menace to sheep during the lambing period.

- WEIGHTS AND MEASURES -

The County Agricultural Commissioner is also Sealer of Weight and Measures in Imperial County. This work is carried on by personnel from the Agricultural Department. Great tonnage of produce moving by truck from this area makes necessary regular testing of all heavy duty scales. This has been greatly augmented by the cooperation of the State Bureau's heavy duty trucks and personnel. Light scales, pumps and meters are checked by County Deputies throughout the year.

* * * * *

IMPERIAL IRRIGATION DISTRICT
REPORT OF CROPS GROWING
MARCH 15, 1955

<u>FIELDS CROPS</u>	<u>Acres</u>	<u>GARDEN CROPS</u>	<u>Acres</u>
Alfalfa	171,192	Beans	63
Barley	68,480	Beets	126
Bermuda	476	Blackeyed Peas	40
Broom Corn	215	Broccoli	117
Cane	46	Cabbage	485
Castor Beans	10	Caltrop	3
Clover	1,645	Cantaloupes	8,316
Cotton	4,179	Carrots	5,038
Field Corn	1,668	Cauliflower	8
Flax	50,591	Celery	1
Flowers, Mixed	95	Chicory	1
Horse Beans	52	Chinese Lilies	9
Milo	577	Cucumbers	17
Millet	150	Endive	2
Oats	1,281	Garlic	218
Permanent Pasture	411	Honeydews	15
Rye Grass	12	Lettuce	4,382
Stock	12	Lettuce, Seed	234
Sudan	22	Okra	5
Sugar Beets	37,384	Onions	613
Tobacco	2	Onions, Seed	48
Water Chestnuts	4	Parsnips	15
Wheat	1,761	Peas	83
TOTALS	340,265	Persian Melons	159
		Romaine	28
<u>PERMANENT CROPS</u>		Squash	1,432
Asparagus	419	Tomatoes	3,999
Citrus, Mixed	143	Vegetables, Mixed	11
Dates	128	Watermelons	3,848
Grapes	577	TOTALS	29,316
Grapefruit	886		
Lemons	65	GRAND TOTALS	372,457
Nursery	10		
Oranges	341		
Peaches	1		
Pecans	116		
Tangerines	190		
TOTALS	2,876		

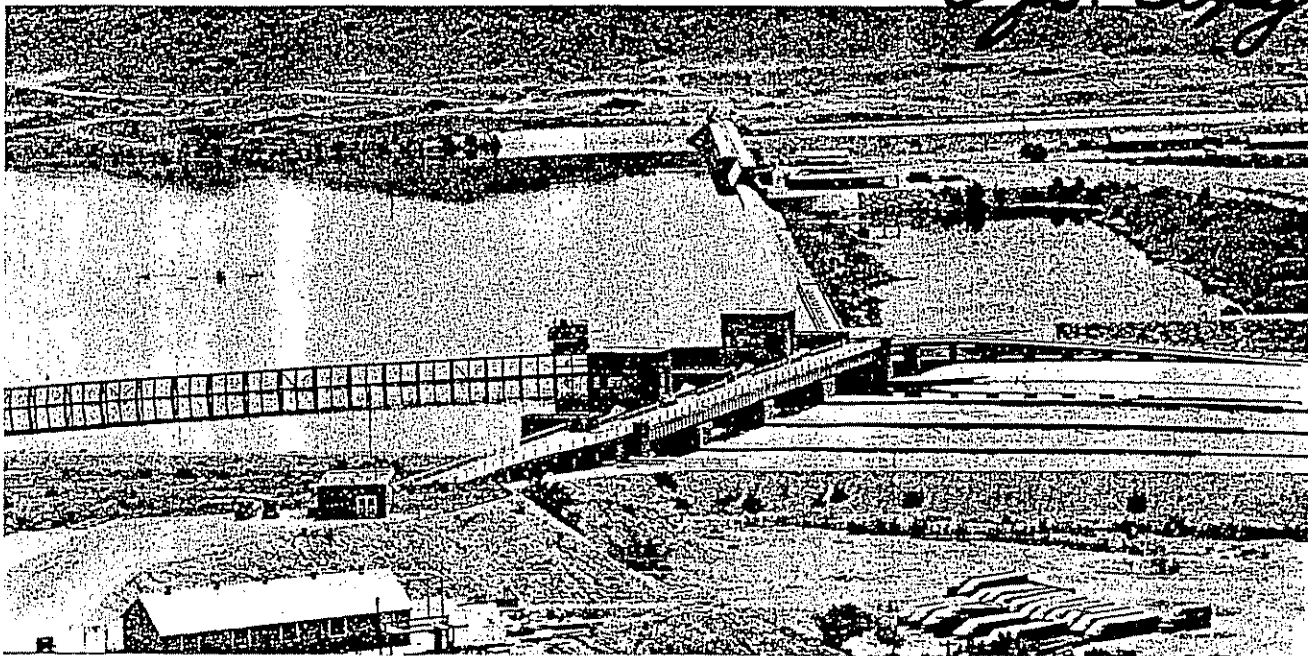
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Agricultural Crop Report

County of Imperial

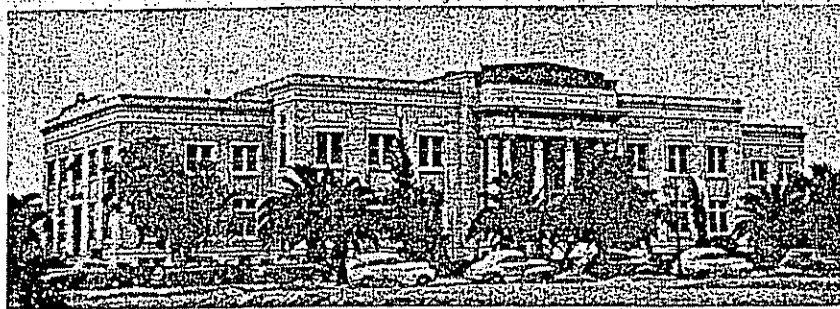
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Office of the
AGRICULTURAL COMMISSIONER

CLAUDE M. FINNELL,
AGRICULTURAL COMMISSIONER



AGRICULTURAL CROP REPORT - 1955

TO: THE HONORABLE BOARD OF SUPERVISORS
AND
W. C. JACOBSON, DIRECTOR OF AGRICULTURE

I herewith submit the annual report on the value of agricultural production in the County of Imperial for 1955 as required in Section 65.5 of the Agricultural Code.

This report is a compilation of the gross value of all the commodities produced in Imperial County and represents the gross F. O. B. Shipping Point values. It is not intended to show the net income to farmers, which due to lower farm prices, increased cost of labor and other materials purchased by farmers, was in most cases lower than in 1954.

The figures contained herein were received from many sources and many individuals and was compiled under the direction of Assistant Agricultural Commissioner J. A. Sinclair. To all of those who have made this report as accurate as possible we wish to express our sincere gratitude.

Respectfully submitted

Claude M. Fennell

AGRICULTURAL COMMISSIONER,
IMPERIAL COUNTY

CMF/dmt



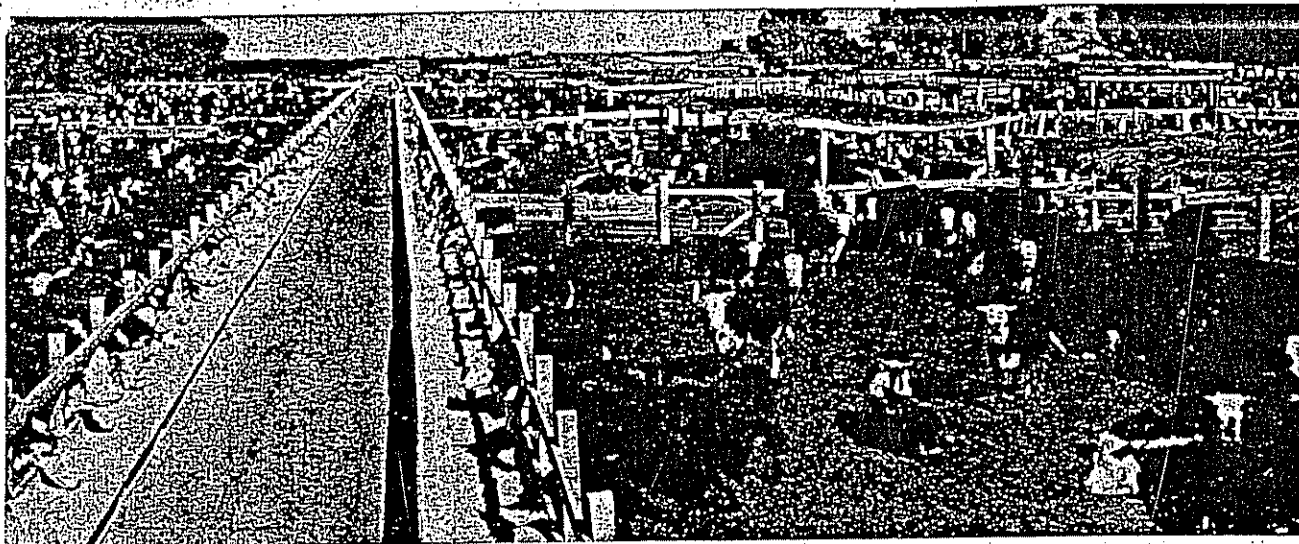
HARVESTING CARROTS

VEGETABLES

Lettuce	17,337 Carloads	\$18,862,656.00
Carrots	3,599 Carloads	3,131,130.00
Carrots (topped)	12,049 Tons	331,347.00
Cabbage	496 Carloads	261,888.00
Cabbage (bulk)	2,513 Tons	37,695.00
Onions	163 Carloads	97,800.00
Mixed Vegetables	138 Carloads	121,440.00
Broccoli	147 Carloads	132,300.00
Romaine	165 Carloads	132,000.00
Garlic	16 Carloads	48,000.00
TOTAL		\$23,156,256.00

TRUCK CROPS

Cantaloupes	3,319 Carloads	\$3,368,785.00
Mixed Melons	10 Carloads	10,000.00
Watermelons	1,236 Carloads	883,740.00
Tomatoes	2,557 Carloads	3,451,950.00
Tomatoes (cannery)	7,129 Tons	163,254.00
Squash	304 Carloads	653,600.00
Cucumbers	66 Carloads	105,600.00
Asparagus	51 Carloads	144,993.00
Green Corn	53 Carloads	82,680.00
TOTAL		\$8,864,602.00



CATTLE FEED YARD

ANIMAL INDUSTRIES

Cattle	9,347	Carloads	\$15,702,960.00
Sheep	2,326	Carloads	6,426,900.00
Hogs	13,329	Head	277,630.00
Dairy Cattle	8,325	Head	1,480,000.00
Pasturage (Cattle)	65,424	Head	1,308,480.00
Pasturage (Sheep)	348,900	Head	1,046,700.00
Hides	455	Tons	80,100.00
Wool	49	Carloads	899,200.00
Market Milk	1,484,484	Gallons	1,124,385.00
Dairy Products	604,845	Pounds	297,348.00
Dairy Products	305,651	Gallons	351,229.00
Meat	1,932	Tons	1,391,040.00
Meat By-Products	620	Tons	35,500.00
TOTAL			\$30,421,472.00

MISCELLANEOUS ITEMS

Fertilizer	694	Carloads	\$ 84,350.00
Mineral Products	14,494	Carloads	12,319,900.00
Ice	146,229	Tons	694,587.00
TOTAL			\$13,098,837.00

APICULTURE AND POULTRY

Poultry	160,000	Head	\$112,000.00
Turkeys	2,100	Head	16,800.00
Eggs	17,820	Cases	256,608.00
Bees	45,121	Colonies	541,452.00
Honey	2,668,640	Pounds	293,550.00
Bee Wax	60,000	Pounds	30,000.00
TOTAL			\$1,250,410.00



ONION SEED FIELD

SEED AND CUT FLOWERS

Cut Flowers		\$ 78,721.00
Flower Seed	2,000 Pounds	4,000.00
Lettuce Seed	38,000 Pounds	38,000.00
Onion Seed	70,000 Pounds	70,000.00
Alfalfa Seed	13,696,890 Pounds	2,722,946.00
Clover Seed	250,000 Pounds	25,000.00
Sesbania Seed	200,000 Pounds	10,000.00
Miscellaneous Seed	40,000 Pounds	40,000.00
Oat Seed	528,800 Pounds	29,084.00
Barley Seed	8,680,194 Pounds	368,904.00
Flax Seed	3,651,100 Pounds	392,493.00
Wheat Seed	1,788,375 Pounds	96,568.00
Soy Bean Seed	633,818 Pounds	50,705.00
	TOTAL	\$3,926,421.00
Soil Improvement Payments Total		\$ 176,530.00

RECAPITULATION

Field Crops	\$60,234,233.00
Fruit and Nuts	676,146.00
Vegetables	23,156,256.00
Truck Crops	8,864,602.00
Animal Industries	30,421,472.00
Apiculture and Poultry	1,250,410.00
Miscellaneous Items	13,098,837.00
Seed and Cut Flowers	3,926,421.00
Soil Improvement Payments	176,530.00
TOTAL	\$141,804,907.00

IMPERIAL IRRIGATION DISTRICT

REPORT OF CROPS GROWING

MARCH 15, 1955

FIELD CROPS	ACRES
Alfalfa	171,192
Barley	68,480
Bermuda	476
Broom Corn	215
Cane	46
Castor Beans	10
Clover	1,645
Cotton	4,179
Field Corn	1,668
Flax	50,591
Flowers (mixed)	95
Horse Beans	52
Milo	577
Millet	150
Oats	1,281
Permanent Pasture	411
Rye Grass	12
Stock	12
Sudan	22
Sugar Beets	37,384
Tobacco	2
Water Chestnuts	4
Wheat	1,761
TOTALS	340,265

PERMANENT CROPS	ACRES
Asparagus	419
Citrus, (mixed)	143
Dates	128
Grapes	577
Grapefruit	886
Lemons	65
Nursery	10
Oranges	341
Peaches	1
Pecans	116
Tangerines	190
TOTALS	2,876

GARDEN CROPS	ACRES
Beans	63
Beets	126
Blackeyed Peas	40
Broccoli	479
Cabbage	678
Caltrop	3
Cantaloupes	8,316
Carrots	5,591
Cauliflower	8
Celery	1
Chicory	1
Chinese Lilies	9
Cucumbers	17
Endive	2
Garlic	218
Honeydews	15
Lettuce	28,284
Lettuce (seed)	234
Okra	5
Onions	613
Onions (seed)	48
Parsnips	15
Peas	83
Persian Melons	159
Romaine	28
Squash	1,432
Tomatoes	3,999
Vegetables (mixed)	111
Watermelons	3,848
TOTALS	29,316

GRAND TOTALS 372,457



DESERT PLAYGROUND

HERE IN THE MYSTERY OF THE
DESERT, MANKIND HAS FOUND
ONE OF AMERICA'S UNIQUE
PLAYGROUNDS, SUN-BATHED AND
FASCINATING.